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JAN 27 2006

**FACSIMILE TRANSMISSION**

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**TO:** Examiner Carla J. Myers, Group Art Unit 1634  
**FAX:** 571-273-8300 **TELEPHONE:** 571-272-0747  
**FROM:** Misha Gregory Macaw, USPTO Reg. No. 55,417  
**DATE:** January 27, 2006 **ATTORNEY DOCKET NO.:** HrdMgmtCIP  
**TOTAL PAGES:** 30 (including this cover page) X Facsimile Filing

**LETTER OF FACSIMILE TRANSMITTAL**

First Named Inventor: Jack C. Whittier  
Serial Number: 09/879,480  
Filed: June 12, 2001  
Title: Integrated Herd Management System Utilizing Isolated  
Populations of X-Chromosome Bearing and Y-Chromosome  
Bearing Spermatozoa  
Assignee: Colorado State University through its agent Colorado State  
University Research Foundation  
Attorney Docket No.: HrdMgmtCIP

Enclosed for filing in the above application please find the following:

1. a Second Supplement to Response and Request for Reconsideration under 37 C.F.R. §1.111 Along with Attachment A and its Exhibits A and B (27 pages);
2. this Letter of Facsimile Transmittal (2 pages); and
3. a Certificate of Facsimile Transmittal (1 page).

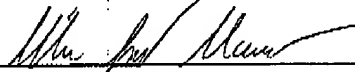
Please confirm receipt of the documents by return facsimile indicating the date of receipt and application number.

I have this 27 day of January, 2006, either myself personally or through my direction of staff at this office, forwarded all of the items in the above Letter of Transmittal via Facsimile Number 571-273-8300, Attention: Carla J. Myers, Group Art Unit 1634.

Dated this 27 day of January, 2006.

Respectfully Submitted,  
SANTANGELO LAW OFFICES, P.C.

By:

  
Misha Gregory Macaw  
USPTO Reg. No. 55,417  
125 South Howes, Third Floor  
Fort Collins, CO 80521  
(970) 224-3100

JAN 27 2006

Facsimile No.: 571-273-8300

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IN THE UNITED STATES PATENT AND  
TRADEMARK OFFICE  
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|                     |   |
|---------------------|---|
| Application Number: | 09/879,480  |
| Applicants:         | Jack C. Whittier, Barbi A. Riggs, Patrick D. Burns and<br>George Seidel   |
| Filed:              | June 12, 2001   |
| Title:              | Integrated Herd Management System Utilizing Isolated<br>Populations of X-Chromosome Bearing and Y-Chromosome<br>Bearing Spermatozoa |
| TC/AU:              | 1634  |
| Examiner:           | Carla J. Myers  |
| Assignee:           | Colorado State University through its agent Colorado State<br>University Research Foundation  |
| Attorney Docket:    | HrdMgmtCIP  |
| Customer No.        | 33549   |

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**SECOND SUPPLEMENT TO  
RESPONSE AND REQUEST FOR RECONSIDERATION (37 C.F.R. § 1.111)**

This submission is a Second Supplement to the Response and Request for Reconsideration filed in the above-referenced case on September 6, 2005. The Response and Request for Reconsideration was filed pursuant to 37 C.F.R. § 1.111 in response to an Office Action dated March 3, 2005, and was filed with an appropriate petition for extension of time.

It is noted that the Applicant's representatives participated in a personal interview with the Examiner on November 15, 2005. A First Supplement was provided to the Office on November 20, 2005, to enact certain claims amendments discussed in the interview. This Second Supplement is provided to submit an affidavit to address certain enablement issues discussed in the interview, and to enact certain further related claims amendments.

This Second Supplement is made in accordance with 37 C.F.R. § 1.121 as amended using the format with each heading beginning on a separate page as follows:

1. Amendments to the claims are reflected in the Listing of Claims beginning on page 3 of this response; and
2. Remarks begin on page 9 of this response.

Each amendment is believed to have been made in accordance with Rule 121. However, should any unintended informality exist, it is requested that the undersigned be contacted by telephone so that the informality may be resolved as expediently as possible.